PROJECT
PROPOSAL

XYZ Company

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LimelightIT is a firm supported by *Icreate,Nasscom,Gusec* and *startup india.LimelightIT* helps MSME's and large industries with industry 4.0 and complete digitization solutions. We've been working with the aim of enabling IoT in various major sectors present in India.

After doing extensive market research and analysis, we discovered that IOT adoption in India is low due to three primary issues: expensive deployment costs, poor battery life, and the need for ongoing adjustments. So, we have created an in-house IoT network that not only solves the three key issues, but also adds features like adjustable range and industry-grade encryptions and security.

Proposal for XYZ Pvt Ltd Ahmedabad

XYZ Private Limited is an integrated part of the esteemed ABC Group. In the span of just 30 years, the ABC Group has progressed from being dye manufacturers into a heterogeneous establishment dealing with chemicals, Pharmaceuticals, FMCG, Real Estate, and Environmental Services.
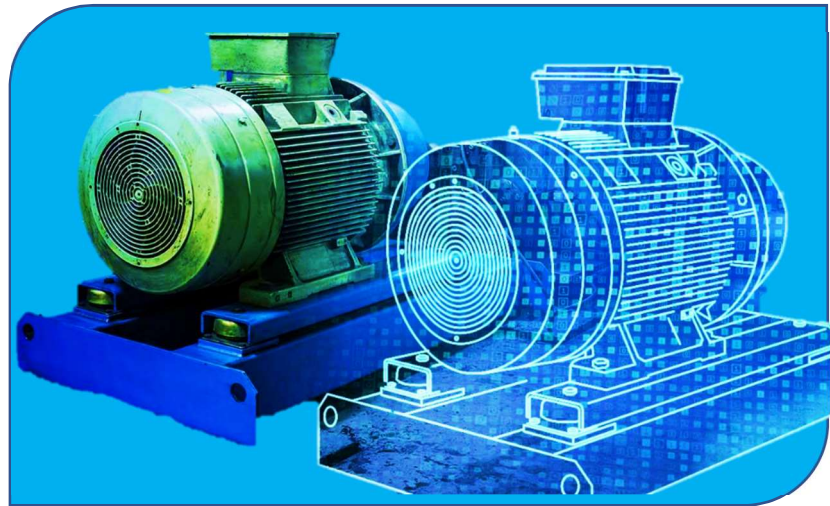
DIGITAL TWIN?
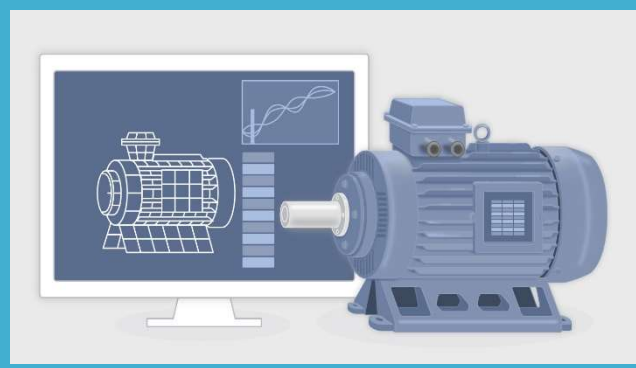
A digital twin is a digital replica of a living or non-living physical entity. Where digital setup continuously communicates with physical setup and time to time updates data. Using the collected data, we can implement Machine Learning. Which helps us to understand the assets condition, assets performance, assets efficiency and using these parameters we can optimize the performance of asset. And it can give up to 20% better outcome.

Benefits of Digital Twin:

Digital Twin Basic Version

- On time of machine
- Off time/Stand by time of machine
- Energy usage of machine
- Condition of machine
- Performance of Machine [Production per hour]

Digital Twin Advance Version

- Includes all basic version features
- Provides you the least performing assets in depth data.
- Provides complete data related to operator such as production efficiency during his/her operation time, breakdown occurs during his/her operation etc.
- Provides Machine OEE [Overall equipment effectiveness]in depth data with easy to understand format.
- Losses Report [Stoppage time reason analysis]
- Keeping ready the Optimised method for you to analyse all key parameter of industry that are Material, Machine and Man.
- Removes human error as solution is completely paperless and directly based on data collected by solution.
- Energy consumption per part [Unit/Part] and throughout the process.

BENEFITS

We provide a wide range of industrial solutions so that your company may quickly analyse overall productivity and comprehend plant OEE. Our solution, which is tailored to your industry, includes the following benefits.

- You will be able to visualize complete ongoing production at one place using smart dashboard specially designed for you.
- Smart Dashboard will be capable of showing individual main assets data with all essential parameters in tabular as well as graphical format. And has automatic report generation facility. Some glimpses of dashboard are shown in upcoming section.
- You will get accurate reactor temperature, Estimated data related to liquid or chemical based on valve condition and other various additional functionalities related to it depending upon further requirements.
- You will be getting predictive Maintenance alerts through smart dashboard for each individual machine connected with our solution. This facility is included in advance version of dashboard.
- Our solution also includes tracking of inventory as well as keeping various records of individual operators or employees. If required this can be the further advantage you will be getting which includes automatic Attendance system and in detail inventory management system and that too in one smart dashboard.
- If you want to cover all three main parameters for your industry that is Material, Machine and Man Monitoring. We do provide complete factory digitization for this scenario. And also, we customize the things depending on client requirements. To completely satisfy our client in all respect.

  Let us have a short solution visualization and working in upcoming section to further clear your idea.
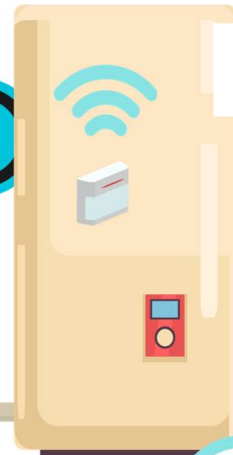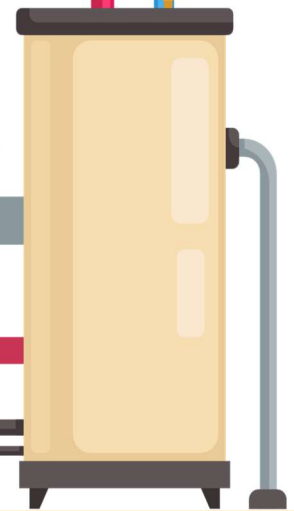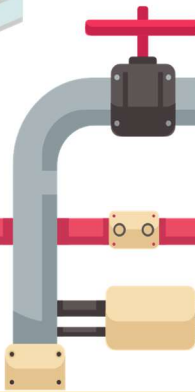
SOLUTION VISUALIZATION
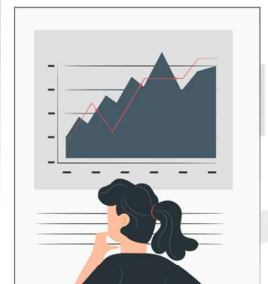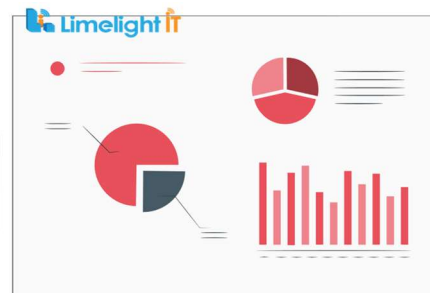
CURRENT SENSOR

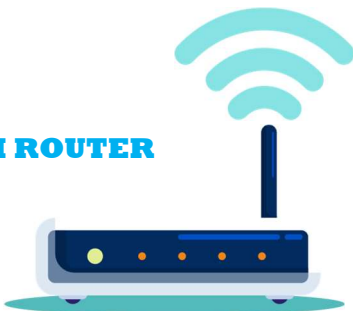TEMPERATURE SENSOR

OEE GATEWAY

KNOB ANGLE DETECTION SENSOR

DASHBOARD

WI-FI ROUTER

SOLUTION WORKING

Smart Dashboard

Displays all the necessary data.

↑

Limelightit Server

Capture the data from device and processes it.

↑

WIFI Router/ Internet Service

For sending and receiving the data.
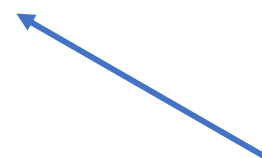
↑

GATEWAY

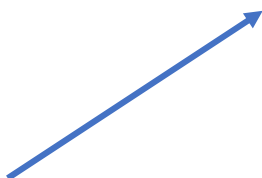Collects the data from all sensors

Position Sensor

Detects the knob angle for steam, chill water and warm water.

Temperature Sensor

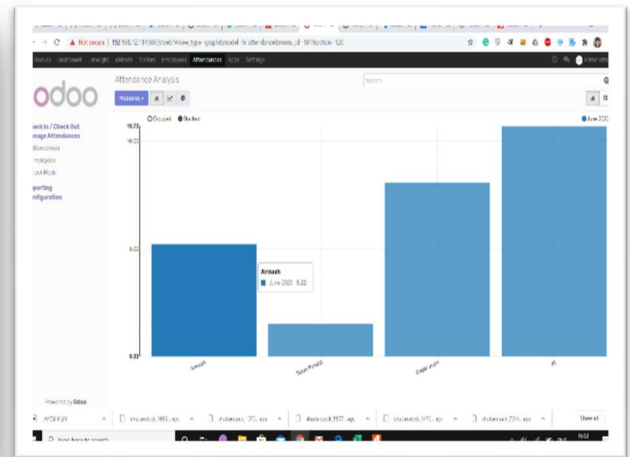Detects the temperature of reactors.

Current Sensor

Detects the current of the machine.

GLIMPSE OF DASHBOARD

GRAPHICAL REPRESENTATION

DATA COLLECTION

✉ info@limelighit.io   🌐 www.limelightit.io   📱 +919904953644

GLIMPSE OF DASHBOARD

REPORT GENERATION & GRAPH
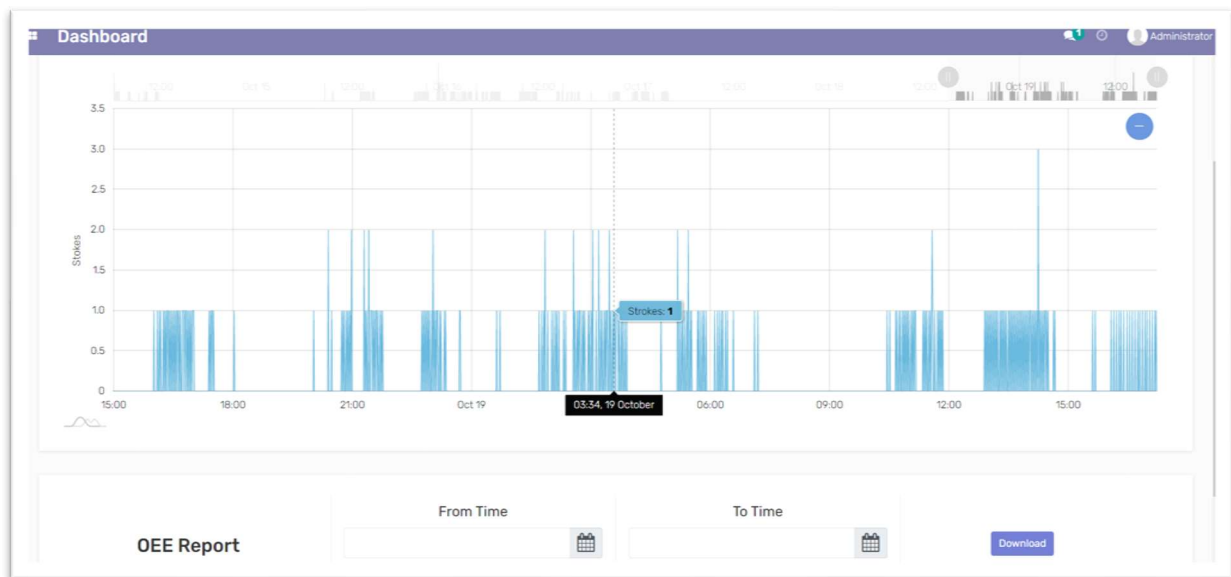
Dashboard | Administrator

Strokes

3.5
3.0
2.5
2.0
1.5
1.0
0.5
0

Strokes: 1

15:00   18:00   21:00   Oct 19   03:34, 19 October   06:00   09:00   12:00   15:00

OEE Report

From Time | To Time | Download

OPERATOR RECORD

Admin Panel | Dashboard Admin Panel Inventory Operators Apps More ▾ | Administrator

Master Data
Configure Factory
Locations
Chief
Mill/Machine
Spool/Inventory

Tag Info
Operators

Logs
Operator Logs
Spool Logs
Device Health
Standby Logs
Coiler Raw Data
Final Data
Pass Detection

Configrations
Settings

Employees

CREATE   IMPORT

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Anwarali Suthar	Hitesh Trivedi	Jayesh Pamnani	Shantanu chaturvedi
FOLLOWING	FOLLOWING	FOLLOWING	FOLLOWING

Tarun Purohit
FOLLOWING

DEVICES REQUIRED

OEE GATEWAY

FEATURES

- ➢ Multi Core ARM cortex CPUs
- ➢ Triple inter connected CPUs for utmost reliability
- ➢ 6 Channel ADC 12 Bit
- ➢ Connectivity: WIFI, Ethernet and GSM
- ➢ Completely Plug and Play, no installation required
- ➢ Modular design, customizable as per requirement
- ➢ Ambient environment and hazardous gas monitoring
- ➢ Power: 220VAC, 5W
  Lowest cost in the market

SENSOR

- ➢ Industrial Temperature Sensor
- ➢ Smart Valve Knob Angle Detection Sensor
- ➢ CT Sensor

Depending on solution needs, devices will be required.

COSTING

		Cost	Total	Price
Development	Software			
	Hardware			
	Research and Project Management			
Device	OEE Chief Device			
Hosting	12 Month			
Maintenance and OTA Updates	12 months			
Discount				
Final Total				

TERMS & CONDITION

1. Development charge is one time only, at the time of full deployment no development charge will be added
2. 50% Needs to pay on start of project
3. Project will kick off as PO generated
4. Exact time line will be shared with date and plan after the approval

THANK YOU

for giving us your Valuable time.